

ABSTRACT OF THE DISCLOSURE

APPARATUS FOR REDUCING ACCESSES TO LEVELS OF A STORAGE HIERARCHY IN A COMPUTING SYSTEM

An information processing system comprises first and second levels of a storage hierarchy, wherein accessing information in the first level consumes more energy than accessing information in the second level; and a processor for writing information to the second level of storage based on energy-conserving criteria. The energy-conserving criteria comprise a set of heuristics, including system state information and user preferences.